

Translation

PATENT COOPERATION TREATY

PCT/JP2003/003583



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT03007	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/003583	International filing date (day/month/year) 25 March 2003 (25.03.2003)	Priority date (day/month/year)
International Patent Classification (IPC) or national classification and IPC B25J 9/22, G05B 19/42		
Applicant RORZE CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 14 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 17 October 2003 (17.10.2003)	Date of completion of this report 12 May 2004 (12.05.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
 pages 1, 2, 4-7, 15, 17, as originally filed
 pages _____, filed with the demand
 pages 3, 8-14, 16, filed with the letter of 26 March 2004 (26.03.2004)
- ☒ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages 1-12, filed with the letter of 26 March 2004 (26.03.2004)
- ☒ the drawings:
 pages 2-8, as originally filed
 pages _____, filed with the demand
 pages 1, 9, filed with the letter of 26 March 2004 (26.03.2004)
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-12	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-12	NO
Industrial applicability (IA)	Claims	1-12	YES
	Claims		NO

2. Citations and explanations

Regarding the inventions relating to claims 1, 5-7, 9, 10 and 12
Document 1 cited in the ISR [JP, 7-78017, A (Kobe Steel, Ltd.)] does not describe designating moving through-points of a carried object. However, in this technical field, which parts are to be designated as moving through-points is a matter that could be appropriately selected and document 2 cited in the ISR [JP, 5-131385, A (Toyota Motor Corporation)] describes designating moving through-points of a carried object. Therefore, the inventions relating to claims 1, 5-7, 9, 10 and 12 do not appear to involve an inventive step based on documents 1 and 2.

Regarding the invention relating to claim 2

In the invention described in document 1, it is not specifically clear whether a travel time is to be measured and whether it is to be displayed with a motion image. However, document 3 cited in the ISR [JP, 10-260714, A (Nissan Motor Co., Ltd.)] describes measuring a travel time at time of simulation, and document 4 [JP, 2000-94131, A (Kobe Steel, Ltd.)] describes displaying a simulation with a moving image. Therefore, the invention relating to claim 2 does not appear to involve an inventive step based on documents 1-4.

Regarding the invention relating to claim 3

In the invention described in document 1, it is not specifically clear whether a travel speed is to be displayed. However, in this technical field, what is to be displayed on a screen is a matter that could be appropriately designed as necessary, and document 5 cited in the ISR [JP, 5-233052, A (Tokiko Ltd.)] describes calculating and displaying a travel speed. Therefore, the invention relating to claim 3 does not appear to involve an inventive step based on documents 1, 2 and 5.

Regarding the invention relating to claim 4

In the invention described in document 1, it is not specifically clear whether a horizontal or vertical surface of a work area is to be displayed. However, in this technical field, what is to be displayed on a screen is a matter that could be appropriately designed as necessary, and document 6 cited in the ISR [JP, 1-92808, A (Fanuc Ltd)] describes displaying a horizontal surface of a work area. Therefore, the invention relating to claim 4 does not appear to involve an inventive step based on documents 1, 2 and 6.

Regarding the invention relating to claim 8

In the invention described in document 1, it is not specifically clear whether a limit of robot mobile parts is to be displayed. However, document 7 cited in the ISR [JP, 8-194512, A (Tokiko Ltd.)]

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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of Box V. 2:

describes displaying a limit of robot mobile parts. Therefore, the invention relating to claim 8 does not appear to involve an inventive step based on documents 1, 2 and 7.

Regarding the invention relating to claim 11

In the invention described in document 1, it is not specifically clear whether a laminated body is to be carried by a scalar type robot. However, document 8 cited in the ISR [JP, 2002-199405, A (Dainippon Screen Mfg. Co., Ltd.)] describes carrying a laminated body by a scalar type robot. Therefore, the invention relating to claim 11 does not appear to involve an inventive step based on documents 1, 2 and 8.